SIEMENS

Data sheet 6ED1055-1MF00-0BA3



LOGO! AM4 AI AQ expansion module PS/: 24 V DC, 2 AI, 0-10 V or 0/4-20 mA 2 AO, 0-10 V or 0/4-20 mA for LOGO! 9

Installation type/mounting	
Mounting	on 35 mm DIN rail, 4 spacing units wide
Supply voltage	
Rated value (DC)	24 V
● 24 V DC	Yes
Input current	
Current consumption, typ.	85 mA
Analog inputs	
Number of analog inputs	2; 0 ... 10 V, 0/4 ... 20 mA
Input ranges	
● Voltage	Yes; 0 to 10V
● Current	Yes; From 0/4 to 20 mA
Input ranges (rated values), voltages	
● 0 to +10 V	Yes; 0 to 10V
Input ranges (rated values), currents	
● 0 to 20 mA	Yes; 0 mA or 4 mA to 20 mA
Input ranges (rated values), resistance thermometer	
● Pt 100	No
Analog outputs	
Number of analog outputs	2
Output ranges, voltage	
● 0 to 10 V	Yes
Output ranges, current	
● 0 to 20 mA	Yes
● 4 mA to 20 mA	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
● Limit class B, for use in residential areas	Yes
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Ecological footprint	
● environmental product declaration	Yes
Global warming potential	

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— global warming potential, (total) [CO2 eq]	32.1 kg
— global warming potential, (during production) [CO2 eq]	3.4 kg
— global warming potential, (during operation) [CO2 eq]	28.84 kg
— global warming potential, (after end of life cycle) [CO2 eq]	-0.15 kg

Ambient conditions

Ambient temperature during operation	
● min.	-20 °C; No condensation
● max.	55 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	1 080 to 795 hPa, corresponds to an elevation of -1 000 m to 2 000 m

Dimensions

Width	35.5 mm; 2 modular widths (MW)
Height	90 mm
Depth	58 mm

Classifications

	Version	Classification
eClass	16	27-24-22-01
eClass	14	27-24-22-01
eClass	12	27-24-22-01
eClass	9.1	27-24-22-01
eClass	9	27-24-22-01
eClass	8	27-24-22-01
eClass	7.1	27-24-22-01
eClass	6	27-24-22-01
ETIM	10	EC001420
ETIM	9	EC001420
ETIM	8	EC001420
ETIM	7	EC001420

Approvals / Certificates

General Product Approval

Manufacturer Declaration

Manufacturer Declaration

China RoHS

General Product Approval	EMV	For use in hazardous locations
		CCC-Ex

Environment

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